THE JOURNAL OF NUCLEAR MEDICINE AND ALLIED SCIENCES

(founded in 1957 as **Minerva Nucleare** and continued as **The Journal of Nuclear Biology and Medicine**)

Organ of the Italian Society for Nuclear Biology and Medicine (SIBMN)

Volume 27 - 1983

INDEX OF PAPERS - SUBJECTS' INDEX

INDEX OF AUTHORS

EDIZIONI MINERVA MEDICA

INDEX OF PAPERS

Relation between Lung Mechanics, Hemodynamics and Regional Distribution of Blood Flow and Ventilation in Left to Right Intracardiac Shunt
P. Zardini, C. Bucca, G. Rolla . . . . . p. 1

Chemical Radiation Protection of Ovarian Follicles of Mice by MPG (2-mercaptopropionylglycine)
A. Kumar, P. Uma Devi . . . . . » 9

Radioimmunological Determination of the MB-Isoenzyme of Creatinephosphokinase: Comparison with Immuno-enzymatic Procedures
A. Clerico, M. G. Del Chicca, G. Buzzigoli, C. Boni, O. Giampetro . . . . » 13

In Vivo Distribution of ^{67}Gallium and ^{111}Indium Complexes with Transferrin: Uptake by DS Sarcoma Tumors
L. J. Anghileri, M. Ottaviani, C. Raynaud . . . . . » 17

An Improved Method for the Direct Determination of Apparent Free Cortisol Concentration in Plasma Samples
A. Clerico, M. G. Del Chicca, F. Materazzi, G. Mariani . . . . . » 21

Guidelines on the Provision of Nuclear Medicine Services (Report of the Intercollegiate Standing Committee on Nuclear Medicine 1982) . . . . » 29

Fetal Distribution of Radiolabelled Neuropsychopharmacological Agents: an Autoradiographic Review Study
L. Dell'Osso, G. F. Placidi, P. Fornaro, G. B. Cassano . . . . . » 43

Cerebral Ventricles Frontal Horns Coarctation with Occipital Horns Dilatation
R. Lenti, N. De Vincentis, S. Cordoni, F. Fabiani, C. Pona . . . . . » 53

Relapsing Polychondritis: Gallium-67 Uptake in Recurrent Lung Lesions
A. Dupont, A. Bossuyt, G. Somers . . . . . » 57

The XX National Congress of the Italian Society for Nuclear Biology and Medicine held in association with The VI Annual Meeting of the Nuclear Medicine Section of the Italian Association for Radiology and Nuclear Medicine (Porto Cervo (Sassary, Italy), May 4-7, 1983)—Abstracts of the Communications . . . . . » 65

Radioresponse of Mouse Liver and Its Modification by Antiradiation Drug MPG (2-Mercaptopropionyl Glycine). A Quantitative Study
S. Kumar, S. Jaimala, A. S. Khan, H. C. Bhartiya, P. Uma Devi . . . . » 215

Methodological Approach to the Radioimmunoassay of Somatostatin
G. Cappelli, A. Brocchi, G. Strazzulla, A. Calabrò, O. E. Ricci, M. Milano » 219

Effects of Metoclopramide and TRH on Prolactin Release in Women with Breast Cancer
G. Schieppati, G. C. Monza, V. Neri, L. Sali, G. Navassa, R. Picozzi, G. L. Tarolo, M. Lampertico . . . . . p. 225

Lactate Dehydrogenase-H_4 (LDH-H_4) Radioimmunoassay in Severe Traumatic Coma
R. Buonaguidi, S. Masini, G. C. Zucchelli, V. Ravelli, F. Faggionato, A. Carpenzano . . . . . » 231

A Methodological Approach for the Study of Protein Synthesis by Cell Cultures *in Vitro*
G. Mariani, K. H. Kortright, H. J. Eisen, R. H. Adamson, T. A. Waldmann

Advances in Radionuclide Therapy, 1983
W. H. Beierwaltes . . . . . » 249

A New Stand-Alone Interface for Renography
C. Imperiale, G. Imperiale . . . . . » 253

Visualization of a Bronchobiliary Fistula during Cholescintigraphy with ^{99m}Tc-Diethyl-IDA
N. Mazzuca, P. C. Giulianotti, F. Mosca, M. G. Toni, R. Bianchi, G. Mariani » 257

Factors Affecting the Myoglobin Serum Levels in Normal Subjects
A. Clerico, O. Giampietro . . . . . » 261

Clinical Evaluation of ^{123}I-Labeled p-Phenylpentadecanoic Acid (p-IPPA) for Myocardial Scintigraphy
R. Dudczak, R. Schmoliner, K. Kletter, H. Frischauf, P. Angelberger . . . » 267

No Acute Effect of Naloxone and Dermorphin on Calcitonin Secretion in Man
E. C. Degli Uberti, G. Trasforini, B. Bagni, S. Salvadori, A. R. Margutti, C. Rotola, M. Bianconi, R. Tomatis, R. Pansini . . . . . » 281

On the Distribution of ^{67}Ga-Citrate and ^{59}Fe-Citrate Accumulated by Ehrlich Ascites Tumor Cells
L. J. Anghileri, M. C. Crone, P. Thouvenot, F. Brunotte, C. Marchal, J. Robert » 285

Discrimination Power of the Combined Measurements of Free Thyroxine and Free Triiodothyronine Concentration in the Evaluation of Thyroid Function
I. Broeckaert, P. Beck-Peccoz, P. B. Romelli, D. Coomans, D. L. Massart, G. Faglia, M. H. Jonckheer . . . . . » 291

Qualitative and Quantitative Studies on the Stress of Internal Tritiated Environment on Developing Mouse Liver
A. L. Bhatia, R. Sisodia . . . . . » 297

High Sensitivity of a Computerized Radioisotopic Method to Evaluate Unilateral Renal Blood Flow Reduction by First Pass Analysis and Static Imaging with ^{99m}Tc-Glucoheptonate
E. Fommei, C. R. Bellina, M. Carmellini, L. Palla, C. Palombo, S. Ghione » 303

Retention of ^{75}Se-Homotaurocholic Acid Measured by a Low-Background Whole-Body Counter
A. Centi-Colella, E. Di Rocco, M. F. Liberatore, F. Scopinaro, P. S. Weisner » 309

Improvement in the Sensitivity of Static Liver Imaging by Estimation of the Clearance Rate of Tin Colloid
Y. McGarry, T. G. Brien, M. Casey, G. J. Duffy . . . . . p. 313

The Early Diagnosis of Breast Tumours
R. Ghys . . . . . » 317

Chemical Radiation Protection by Alpha-Mercaptopropionylglycine
P. Uma Devi . . . . . » 327

Temporary Disappearance of an Autonomously Functioning Thyroid Nodule after T_3 Suppression Test
A. Vattimo . . . . . » 337

SUBJECTS' INDEX

A

Acromegaly
— serum myoglobin in ..., 124.

ACTH
— markers of ... secreting ectopic tumors, 166.

Adrenal
— scintigraphy in Cushing's syndrome, 203.

Adriamycin
— toxicity evaluated by CK-MB and myoglobin, 90.

Alphafetoprotein
— in chronic liver disease and primary carcinoma, 193.

Amyotrophic lateral sclerosis
— cerebral glucose metabolism in ... evaluated by 18 fluorodeoxy, 147.

Angiocardiography
— ventricular function by gated radionuclide ..., 74.

Angiography
— cerebral radionuclide ... pacemaker patients, 113.
— evaluation of a-v fistula in dialysis by radionuclide ..., 68.
— evaluation of portal blood flow by radionuclide ..., 79.
— first pass ..., using a ^{195m}Au generator, 121.
— quantitative radionuclide ... in cardiac shunts, 143.
— radionuclide ... for quantification of liver blood flow, 94.
— radionuclide ... in thalassemia intermedia, 178.
— renal isotopic ... in renovascular hypertension, 99.

Angioscintigraphy
— in the diagnosis of transient myocardial ischemia, 155.
— ventricular dysfunction in diabetes evaluated by ..., 144.

Arthrosis
— skeletal scintigraphy in coxofemoral ..., 158.

^{195m}Au
— radionuclide angiography using a ... generator, 121.

Autoradiography
— distribution of neuropsychopharmaceuticals by ..., 43.

B

Biliary tract
— cholescintigraphy in ... patients, 132.

Bone
— extraosseous uptake in ... scan, 187.
— radioiodine therapy in... metastases of thyroid carcinoma, 71.
— therapy of ... metastases with ^{32}P, 183.
— uptake of ^{99m}Tc-MDP, 207.

Brain
— ^{123}I-HIPDM as a new ... imaging agent, 211.

Breast
— comparison of markers for ... cancer, 161.
— early diagnosis of ... tumours, 317.
— effects on prolactin release in ... cancer, 225.
— serum ferritin levels in ... cancer, 97.
— TPA and CEA in ... cancer, 147.
— TPA in ... cancer, 138.

Bronchobiliary fistula
— visualized by Tc-Diethyl-IDA, 257.

C

Calcitonin
— and CEA in thyroid nodules, 141.
— effect of opioid on ..., 281.
— in lung cancer, 165.

Carbohydrate antigen 19-9
— in colorectal cancer, 201.

Cardiac shunts
— and lung function, 1.
— radionuclide angiography in ..., 143.

Cardiomyopathy
— diastolic filling assessed in ... by nuclear stethoscope, 170.

CEA
— acute changes of ... after surgery in colorectal cancer, 150.
— and calcitonin in thyroid nodules, 141.
— and TPA in breast cancer, 47.
— and TPA in lung cancer, 110.
— clinical use of ... assays, 76.
— comparison with GICA in gastrointestinal tumors, 191.
— comparison with TPA levels in tumors, 102.
— in colorectal cancer, 201.
— in colorectal tumours, 86.
— in gastrointestinal and lung cancers, 87.
— in gastrointestinal tumors, 110.
— in lung cancer, 165.
— levels in head and neck tumors, 87.
— levels in pleural effusion, 102.

Cell cultures
— study of protein synthesis in ..., 237.

Cerebral ventricles
— frontal horn coarctation, 53.

Chemical radioprotection
— by MPG, 327.

Cholescintigraphy
— ^{99m}Tc-DISIDA ... in biliary obstructions, 175.
— in biliary tract patients, 132.

Cirrhosis
— hemodynamic pattern in ..., 94.
— portal blood flow in ..., 79.

Colorectal tumours
— CEA levels in ..., 86.

Coronary heart disease
— a bayesian approach to the diagnosis of ..., 101.

Cortisol
— direct determination of apparent free concentrations, 21.
— free ... determination in plasma, 97.

Cost-benefit analysis
— of diagnosis of coronary heart disease, 101.

^{51}Cr
— labeled platelets in thrombocytopenia, 160.
— labeled platelets in thrombocytopenic purpura, 129.
— surface measurement of ..., 128.

Creatinephosphokinase
— determination of MB ..., 91.
— MB ... in adriamycin toxicity, 90.
— RIA determination of MB-isoenzyme, 13.

Cushing's syndrome
— adrenal scintigraphy in ..., 203.

Cysto-uretrography
— radioisotopic ..., 197.

Cystography
— urodynamic nuclear ... in vesico-ureteral reflux in children, 88.

Cystoscintigraphy
— versus cystography, 107.

D

Dacryoscintigraphy
— a computer assisted method for ..., 98.

Depression
— TSH response to TRH in ..., 136.

Diabetes
— free and total insulin in insulin-treated ..., 94.
— left ventricular function and muscle blood flow in ..., 12.
— ventricular dysfunction in ..., 144.

Disoxin
— like immunoreactivity in human plasma, 67.

E

Ebstein's disease
— isotopic ventriculography in ..., 85.

Echocardiography
— in transient myocardial ischemia, 185.
— ^{201}TI uptake and ... in left bundle branch block, 126.

Ehrlich ascites tumor cells
— distribution of ^{67}Ga and ^{59}Fe in ..., 285.

Exercise
— ventricular function and muscle blood flow during ..., 122.

F

^{59}Fe
— distribution in ascite tumor cells, 285.
— surface measurements of ..., 128.

Ferritin
— in lung cancer, 165.

Fetus
— distribution of neuropsychopharmaceuticals in ..., 43.

^{18}F-fluorodeoxyglucose
— cerebral glucose metabolism evaluated by ..., 147.

Fibrinogen
— labeled ... in vasculopathies, 120.

G

^{67}Ga
— as intraoperatory marker of lymphomas, 117.
— distribution in ascite tumor cells, 285.
— scintigraphy in space occupying lesions of the kidney, 116.
— uptake by sarcoma, 17.

Gamma camera
— an electronic window for ..., 69.

Gastrointestinal cancer antigen
— in gastrointestinal tumors, 191.

Goitre
— TSH-TRH test in simple goitre, 184.

H

HBsAg/IsM complex
— assay in viral hepatitis, 96.

Hemophilia
— muscle mass trophism in ..., 151.

Hepatitis
— HBsAg/IgM complex assay in viral ..., 96.

Hypothyroidism
— false positive diagnosis of preclinical ..., 164.
— muscle markers in ..., 124.

I

^{123}I
— as Hippuran label, 134.
— labeled p-Phenylpentadecanoic acid for myocardial scintigraphy, 267.

^{131}I
— as Hippuran label, 134.
— concentration in the air of hospital rooms, 130.
— therapy, effects on thyroglobulin in thyroid cancer, 188.

^{123}I HIPDM
— as a new brain imaging agent, 211.
— lung uptake of ..., 123.

^{123}I Hippuran
— for renal functional assessment, 83.
— renography for renal functional evaluation in children, 72.

IgE
— comparison of solid phases for the detection of specific ..., 6.

^{111}In
— labeled platelets in thrombocytopenic purpura, 68.
— oxine in rheumatoid arthritis, 157.
— uptake by sarcoma, 17.

Insulin
— free and total ... in diabetics, 94.

Iodine
— evaluation and metabolism of inhaled, 92.

K

Kidney
— double radiocompound study of the ..., 133.
— estimation of ... blood flow ratio, 112.
— function assessment by gamma camera sequential scan, 83.
— ^{67}Ga scintigraphy in space-occupying lesions of the ..., 116.
— glomerular filtration rate measurement by sequential renal ..., 186.
— study of intrarenal reflux in isolated pig, 182.
— ^{99m}Tc-DTPA scan for separate ... function evaluation, 109.
— ^{99m}Tc-DTPA scans in ... transplants, 173.
— ^{99m}Tc-sulfurcolloid scan in transplanted ... rejection, 199.
— determination of ... blood flow ratio by ^{99m}Tc gluconate, 303.

L

Lactate dehydrogenase-H4
— in traumatic coma, 231.

Liver
— alpha fetoprotein in chronic ... disease and carcinoma, 193.
— effect of internal tritiated environment on developing ..., 297.
— imaging by tin colloid, 313.
— non-invasive technique for ... perfusion study, 104.
— quantification of arterial and portal blood flow in ... cirrhosis, 94.
— radiocolloid ... scintigraphy, 192, 197.
— radioprotection by MPG, 215.
— renal perfusion in chronic ... diseases, 103.
— vasoactive intestinal peptide in ... diseases, 198.

Lung
— chest radiogram and perfusion ... scan in pulmonary embolism, 167.
— function in intracardiac shunt, 1.
— ^{67}Ga uptake in polychondritis, 57.
— inhalation images and ... perfusion scans in pulmonary embolism, 172.
— perfusion in immersed subjects, 154.
— prognostic value of serum CEA in ... cancer, 87.
— TPA and CEA in ... cancer, 110.
— uptake of ^{131}I-HIPDH, 180.

Lymphoma
— ^{67}Ga as a marker for ..., 117.

Lymphoscintigraphy
— isotopic ... after mastectomy, 105.
— perineal ... in prostatic cancer, 108.

M

Melanoma
— immunodiagnosis of ... which monoclonal antibodies, 80.
— monoclonal antibodies against ... associated antigen, 82.

Metoclopramide
— effects on prolactin release in breast cancer, 225.

Monoclonal antibodies
— against human melanoma associated antigen, 82.
— distribution of anti-human melanoma ..., 148.
— for immunodetection of human carcinomas in nude mice, 92.
— immunodiagnosis with antimelanoma, 80.

MPG (2-mercaptopropinyl ..ycine)
— chemical radioprotection by ..., 327.
— radioprotection of ovarian follicles, 9.
— radioresponse of mouse liver, 215.

Muscle
— assessment of ... trophism in hemophiliac patients, 151.
— blood flow during exercise in ..., 122.
— serum ... markers in hypothyroid myopathy, 124.

Myelofibrosis
— thromboxane A2 RIA in ..., 206.

Myocardial perfusion
— scintigraphic evaluation of regional ... defects, 163.

Myoglobin
— factors affecting serum ... levels, 261.
— levels in adriamycin toxicity, 90.
— serum ... in acromegaly, 124.

N

Neuropsychopharmaceuticals
— fetal distribution, 43.

Nuclear medicine center
— evaluation of radioactivity discharged in a ..., 210.

Nuclear stethoscope
— ventricular filling assessed by ..., 170.

O

Opioid peptides
— effect of ... on calcitonin, 281.

Osteonecrosis
— scintigraphic data in idiopatic ... of femoral head, 202.

Ovary
— radioprotection by MPG, 9.

P

^{32}P
— therapy with ... in bone metastases, 183.

Pacemaker
— cerebral angioscintigraphy in ... patients, 113.
— ventricular function in programmable ... patients, 168.

Pituitary
— function in sodium valproate treatment, 156.

Platelets
— kinetics of labeled platelets in thrombocytopenic purpura, 68.

Polychondritis
— ^{67}Ga uptake in lung lesions in ..., 57.

Polymorphonuclear leukocytes
— separation and labeling of ..., 159.

Positron emission tomography
— cerebral ^{18}F-fluorodeoxyglucose metabolism evaluated by ..., 147.

p-Phenylpentadecanoic acid
— for myocardial scintigraphy, 267.

Prolactin
— release in breast cancer, 225.

Prostatic cancer
— perineal lymphoscintigraphy in ..., 108.

Protein synthesis
— in cell cultures, 237.

Pulmonary embolism
— chest radiograph and perfusion lung scan in ..., 167.
— inhalation and perfusion scans in ..., 172.

Pyeloureteral joint
— radionuclide evaluation of ... obstruction, 81.

Q

Quality control
— thyroid hormones and external ..., 179.

R

Radionuclide therapy
— advances in ..., 249.

Renal clearance
— determination by external measurements, 113.

Renogram
— distinction of components of ..., 205.

Renography
— a new interface for ..., 253.
— evaluation of ureteropelvic junction obstruction in children, 65.
— hippuran ... in children, 72.
— in chronic liver diseases, 103.

Renovascular hypertension
— renal angioscintigraphy in ..., 99.

Rheumatoid arthritis
— application of ^{111}In-Oxine in ..., 157.

RIA
— detection of digoxin-like immunoreactivity by ..., 67.
— determination of ferritin in breast cancer, 97.
— of MB-isoenzyme of creatinephosphokinase, 13.
— of somatostatin, 219.

S

Sarcoma
— uptake of ^{67}Ga and ^{111}In, 17.

Scintigraphy
— automatic analysis of dynamic ..., 208.
— myocardial ... by p-IPPA, 267.

^{75}Se-homotaurocholic acid
— retention of ..., 309.

Somatostatin
— determination by RIA, 219.

SPECT
— a double head rotating ... system, 65.
— evaluation of ^{123}I-HIPDM in man by ..., 211.
— quantitative ... to evaluate left ventricle, 75.
— volumetric estimates of active sources with ..., 115.

Steroid receptors
— in neoplastic tissues as clinical markers, 177.

Sudeck's atrophy
— bone uptake of ^{99m}Tc-MDP in ..., 207.

Sudeck's disease
— radioisotope monitoring of ..., 112.

Systolic time intervals
— in programmable pacemaker patients, 168.

T

^{99m}Tc-Diethyl-HIDA
— quantitative ... hepatogram, 118.

^{99m}Tc-Diethyl-IDA
— visualization of bronchobiliary fistula by ..., 257.

^{99m}Tc-DISIDA
— cholescintigraphy in biliary obstructions, 175.

^{99m}Tc-DTPA
— aerosol for the evaluation of alveolar integrity, 171.
— glomerular filtration rate determination with ..., 204.
— in pediatric obstructive uropathy, 89.
— renal scan for separate function kidney evaluation, 109.
— scan for renal functional assessment, 83.
— scintigraphy in renal transplants, 173.

^{99m}Tc-fibrinogen
— in venous pathology of lower limbs, 79.

^{99m}Tc-glucoheptonate
— evaluation of renal blood flow ratio with ..., 303.

^{99m}Tc-MAA
— transdiaphragmatic leakage of ... during peritoneal dialysis, 195.

^{99m}Tc-pertechnetate
— neck/thigh ... uptake ratio and thyroid function, 104.

^{99m}Tc-sulfur colloid
— as a marker of solid foot in the human stomach, 162.
— scan in transplanted kidney rejection, 199.

Thalassemia
— cardiac function in ..., 178.
— thyroid function and prolactin in ... intermedia, 140.

Thrombocytopenia
— ^{51}Cr-labeled platelets in ..., 160.

Thrombocytopenic purpura
— ^{51}Cr-labeled platelets in idiopatic ..., 129.
— kinetics of ^{111}In-oxine labeled platelets in ..., 68.

Thromboxane A2
— RIA in myelofibrosis, 206.

Thyrocalcitonin
— secretion in medullary carcinoma, 190.

Thyroglobulin
— assay in the follow up of thyroid tumors, 117.
— effects on ... of ^{131}I therapy, 188.
— in post surgery follow up of thyroid cancer, 145.
— in treated thyroid cancer, 93.
— levels in thyroid cancer, 145.

Thyroid
— calcitonin and CEA in ... nodules, 141.
— effects of ^{131}I therapy on thyroglobulin in ... cancer, 188.
— function in sodium valproate therapy, 156.
— function and prolactin in thalassemia, 140.
— neck/thigh ^{99m}Tc-pertechnetate uptake ratio and ... function, 104.
— therapy of bone metastases of ... carcinoma, 71.
— thyroglobulin assay in the follow up of ... tumors, 177.
— thyroglobulin levels in thyroid cancer, 145.
— thyroglobulin levels in treated ... cancer, 93.

Thyroid cancer
— thyroglobulin levels in post surgery follow up of ... cancer, 145.

Thyroid hormones
— assays and external quality control, 179.
— combined measurement of free ..., 291.
— conversion rate of ... in thyroid states, 72.
— in transudates, 135.

Thyroid nodule
— disappearance of autonomous ... after suppression test, 337.

Thyroiditis
— atrophic autoimmune ..., 196.

Tin
— static liver imaging by estimation of ... colloid clearance, 313.

Tissue polypeptide antigen
— and CEA in breast cancer, 47.
— and CEA in lung cancer, 110.
— in breast cancer, 138.
— in colorectal cancer, 201.
— in gastrointestinal tumors, 78.
— RIA determination of ... in tumors, 102.

^{201}Tl
— myocardial scintigraphy in bundle branch block, 169.
— scintigraphy in transient myocardial ischemia, 185.
— uptake and echocardiography in left bundle branch block, 126.

Tomocompton
— for density tomographic imaging of the chest, 130.

TRH
— effects on prolactin release in breast cancer, 225.

TRH test
— TSH response to ... depressive patients, 136.

Tricuspidal incompetence
— detected by angioscintigraphy, 153.

Tritium
— effect of ... developing mouse liver, 297.

TSH
— dynamics in hyperprolactinemic states, 164.
— response to TRH test, 136.

U

Uric acid
— turnover in altered purine metabolism, 152.

V

Vasoactive intestinal peptide
— in liver disease, 98.

Ventricular function
— during exercise in diabetes, 122.

Ventriculography
— equilibrium isotopic ... in Ebstein's disease, 85.
— first pass rest-exercise radionuclide ..., 125.
— in the evaluation of ventricular function in pacemaker patie, 168.
— radionuclide ... in postinfarction patients, 137.

Vesico-ureteral reflux
— in children: diagnosis by nuclear cystography, 88.

Vincristine
— RIA of ... in serum, 105.

W

Whole body counter
— retention of homotaurocholic acid by ..., 309.

INDEX OF AUTHORS

Acampora, C., 191.
Adamson, R. H., 237.
Alagna, S., 156.
Alcidi, L., 75, 115.
Alfano, B., 65, 168.
Aloisio, M., 78.
Ambrogi, F., 90.
Angelberger, P., 267.
Angeletti, C. A., 193.
Anghileri, L. J., 17, 285.
Antonacci, P., 173.
Aprile, C., 65, 66.
Arborelius, M., Jr., 154.
Ariano, M., 93, 160.
Ariemma, G., 65.
Arosio, G., 126.
Arosio, M., 175.
Arras, M. L., 141.
Artibani, W., 81.
Ascani, F., 170.
Attili, A., 80.
Ausili-Cefaro, G., 99.
Azzarà, A., 90.

Baccega, M., 173.
Bacolla, A., 92.
Bagni, B., 107, 108, 281.
Balbarini, A., 153.
Balestrieri, A., 198.
Balzan, S., 67.
Banfi, F., 143.
Barba, A., 162, 164.
Barbarossa, C. G., 89.
Barletta, G. A., 74.
Baroni, M., 171, 202.
Barsotti, A., 68, 153.
Bartoli, C., 208.
Baruffaldi, M., 105.
Barulli, M., 81.
Baschieri, I., 184.
Bazzicalupo, M., 191.
Bazzichi, L. M., 152.
Beck-Peccoz, P., 291.
Beierwaltes, W. H., 249.
Bellanova, B., 69, 101.
Bellina, C. R., 69, 112, 113, 155, 303.
Bellitto, L., 159.
Benassi, A., 69.
Bencivelli, W., 121, 122.
Benucci, A., 96.
Benvenuti, F., 197.
Berbellini, A., 79.
Bergamini, C., 69.
Bertelli, P., 72.
Bertero, D., 117.
Berti, S., 113.
Bertolazzi, L., 188.
Bertolini, C., 112.
Bestagno, M., 71, 125, 126, 145.
Betti, E., 72.
Bhartija, H. C., 215.
Bhatia, A. L., 297.
Biadi, O., 68, 153.
Biagini, C., 197.
Bianchi, R., 68, 72, 148, 150, 151, 152, 165, 204, 257.
Bianconi, M., 281.
Biggi, A., 85.
Bisi, G., 74, 75.
Bisi, L., 115.
Bissoli, G., 125, 126.
Blau, M., 211, 212.
Bocca, M., 105.
Boltri, F., 117.
Bombardieri, E., 78, 80.
Bonazza, A., 187.
Bonetti, M. G., 144.
Boni, C., 13, 91, 124.
Bonicoli, F., 158.
Bonifazi, N., 118, 203.
Boniolo, A., 82.
Bonora, G., 76.
Borroni, M., 205.
Borsato, N., 83, 109, 186.
Boscaro, M., 166.
Boschetti, E., 170.
Bossi, M. C., 175.
Bossuyt, A., 57.
Brianzoni, E., 79.
Brien, T. G., 313.
Brocchi, A., 94, 215.
Broeckaert, I., 291.
Brunetti, M., 104.
Bruniera, F., 169.
Brunori, G., 199.
Brunotte, F., 285.
Bucca, F., 1.
Bui, F., 79, 81, 137, 182.
Buonaguidi, R., 231.
Buraggi, G. L., 78, 80, 82, 148.
Buzzigoli, G., 13, 91, 124.

Cabria, M., 190.
Cacace, E., 178.
Cadau, M. L., 138.
Cagnato, P., 81.
Calabrò, A., 94, 96, 215.
Callegaro, L., 82, 148.
Camerani, M., 83, 109, 186.
Cammelli, F., 195.
Campisi, S. F., 195.
Campus, S., 138, 140.
Camuzzini, G. F., 85.
Canevari, S., 92.
Canevarollo, N., 188.
Cangemi, V., 86, 87.
Cantalupi, D., 161.
Cantarano, G., 145.
Cappelli, G., 94, 96, 201, 215.
Caputo, M., 72.
Caputo, V., 86, 87.
Carcassi, U., 178.
Carelli, M., 79.
Caretta, Q., 191.
Carmellini, M., 150, 303.
Carpenzano, A., 231.
Carpi, A., 124, 165.

Carrega, I., 87.
Carriero, M., 97.
Cartia, G. L., 88.
Carulli, G., 90.
Casara, D., 187.
Cascinelli, N., 80.
Casey, M., 313.
Casprini, P., 128, 129.
Cassano, G. B., 43.
Casu, A. R., 138, 140, 141.
Catalani, C., 135.
Cazzuola, F., 72.
Cecconi, M., 170, 171.
Cenci, F., 99.
Centi-Colella, A., 132, 309.
Centioni, G., 79.
Cerchiari, U., 205.
Cerulli, G., 202.
Chetti, L., 68.
Chialà, G., 125, 126, 199.
Chiandussi, L., 193.
Chiari, G., 65.
Chiesa, M. R., 179.
Chimini, G., 72.
Ciambellotti, E., 88.
Ciofetta, G., 89.
Ciompi, M. L., 152.
Ciprandi, G., 190.
Cipri, A., 110.
Claudiani, F., 189.
Clerico, A., 13, 21, 67, 90, 91, 97, 124, 151, 261.
Cocciolo, G., 78.
Coda, C., 88.
Colli, A., 143.
Collice, M., 212.
Colnaghi, M. I., 92.
Colombi, C., 76.
Colombo, F., 180, 211, 212.
Colombo, L., 196.
Colombo, R., 211.
Coluccia, C., 117.
Conte, E., 103.
Contini, C., 113.
Coomans, D., 291.
Corbelli, C., 69, 101.
Cordoni, S., 53.
Corsello, S. M., 203.
Costa, A., 92.
Costanza, C., 138, 140, 141.
Cotroneo, A. R., 99.
Cottino, F., 92, 93, 105.
Covini, M. G., 89.
Cozzi, F., 89.
Cristinelli, L., 199.
Crone, M. C., 285.
Cupido, G., 87.
Cuzzato, E., 169.

D'Addabbo, A., 94, 103.
D'Agata, A., 94, 96.
D'Agostino, D., 166.
D'Aiuto, G., 97, 102.
D'Amico, P., 65.
D'Angeli, B., 85.
D'Errico, A., 99.
D'Errico, G., 99.
Dalakas, M. C., 147.
Daniele, C., 108.
Daniele, G., 107.
Data, P. G., 154.
De Angelis, G., 110.
De Bortoli, M., 177.
De Cinque, M., 99.
De Ciuceis, P., 170.
De Divitis, O., 168.
De Filippi, P. G., 173.
De Francesco, D., 196.
De Rosa, G., 203.
De Rossi, G., 98, 112.
De Simone, M., 117.
De Vincentis, N., 53.
Degli Uberti, E. C., 281.
Del Chicca, M. G., 13, 21, 67, 90, 91, 97, 124, 151.
Del Giacco, G. S., 157.
Del Maschio, A., 182.
Del Vecchio, A., 192, 197.
Del Vecchio, S., 97, 102, 191.
Dell'Osso, L., 43.
Della Beffa, V., 117.
Della Corte, M., 197.
Deplano, A., 193.
Dettori, G., 141.
Di Chiro, G., 147.
Di Fresco, R., 87.
Di Lauro, D. G., 145.
Di Rocco, E., 132, 309.
Di Tondo, U., 86.
Di Vincenzo, D., 136.
Diana, M. S. A., 193.
Dichiara, M. A., 136.
Dickmann, A., 98.
Distante, A., 185.
Dondi, M., 69, 101.
Donnamaria, V., 167.
Dore, F., 140.
Dottorini, M. E., 105, 171.
Dovis, M., 82.
Dudczak, R., 267.
Duffy, G. J., 313.
Dupont, A., 57.

Eisen, H. J., 237.
Englaro, E., 120.
Eriu, R., 138.
Esposito, G., 97, 102, 191.

Fabiani, F., 53.
Faggionato, F., 231.
Faglia, G., 291.
Falagiani, P., 66.
Falcone, F., 102.
Fancini, P., 143.
Fanfani, G., 94, 103.
Fanfani, S., 135.
Farinelli, M. C., 85.
Farris, A., 138.
Favella, A., 104.
Favero, A., 93, 105.
Favretto, G., 169.
Fazio, F., 121, 122, 180, 211, 212.
Fazio, L., 87.
Fazzi, P., 180.
Fedeli, L., 105, 164, 202.
Feggi, L. M., 107, 108.
Felice, R., 182.
Ferdeghini, M., 72, 165.
Ferlin, G., 83, 109, 186.
Ferrari Bravo, A., 76.
Ferri, P., 128, 129, 172, 210.
Ferrini, O., 190.
Ferrone, S., 80, 82, 148.
Filipponi, P., 164.
Fini, A., 102, 110.
Fiorentini, L., 116.
Fiori, E., 86.
Fiorucci, G., 105, 164.
Flore, F., 110.
Floris, A., 198.
Focacci, C., 112.
Focosi, F., 98.
Fommei, E., 112, 113, 303.
Formiconi, A. R., 75, 113, 115, 133.
Fornaro, P., 43.
Franca, V., 156.
Franceschi, F., 110.
Franchi, R., 68, 101.
Fratello, A., 94, 103.
Frediani, M., 116, 193.
Fregoso, A., 121, 122.
Frishauf, H., 267.
Fucini, C., 201.
Fumero, S., 177.
Fusani, L., 152.

Gaetini, A., 117.
Gaiba, W., 130.
Galassi, E., 117.
Galli, G., 118, 144.
Gallini, C., 74.
Gandini, S., 151.
Gasparini, M., 80, 205.
Gasparri, G., 117.
Geatti, O., 120.
Gerunda, G. E., 79.
Gerundini, P., 121, 122, 180, 211, 212.
Gervasi, F., 198.
Ghione, S., 67, 112, 303.
Ghys, R., 317.
Giampietro, O., 13, 91, 124, 261.
Gianfaldoni, R., 152.
Giavelli Griva, S., 76.
Gilardi, M. C., 121, 122, 180, 211, 212.
Giordano, G., 97.
Giovanelli, E., 160.
Giovannini, E., 105.
Giovannini, G., 177.
Giraudi, G., 92.
Giri, S., 184.
Giubbini, R., 71, 125, 126, 199.
Giubbolini, L., 152, 204.
Giulianotti, P. C., 257.
Giuntini, C., 116, 159, 167, 180, 193.
Gori, C., 128, 197, 210.
Granata, M. T., 162.
Grasso, P., 203.
Greco, F., 112.
Grossi, A., 128, 129, 206.
Guerra, U. P., 71, 125, 126, 199.
Guerrisi, M., 104.
Gugliotta, L., 68.
Guidarelli, G., 130.
Guidi, S., 129.
Guzzardi, R., 69, 112, 130.

Ianni, A., 165, 193.
Icardi, G., 147.
Imperiale, C., 253.
Imperiale, G., 253.
Inglese, E.. 143.
Iorio, F., 132, 191.
Izzo, G., 104.

Jaimala, S., 215.
Jonckheer, M. H., 291.

Khan, A. S., 215.
Kletter, K., 267.
Kortright, K. H., 237.
Kumar, A., 9.
Kumar, S., 215.
Kung, H. F., 211, 212.

L'Abbate, A., 155, 163, 185.
La Canna, G., 125, 126.
La Cava, G., 75, 113, 115, 133, 134.
La Penta, L., 65.
Lampertico, M., 225.
Langer, M., 141, 193.
Lapenta, L., 102.
Legnaioli, M., 135, 197.
Lenti, R., 53.
Lenzi, G. L., 211, 212.
Lesi, C., 110.
Liberatore, F., 309.
Liberatore, M. F., 191.
Licata, G., 136.
Lin, S., 161.
Longinotti, M., 140.
Lopez-Majano, V., 154.
Lorenzini, P., 92.
Luzzi, T., 166.

Macchia, D., 148, 150, 152.
Macrì, C., 79, 81, 137, 182.
Maddalena, F., 137.
Madeddu, G., 138, 140, 141, 157, 193.
Maffei Faccioli, A., 79.
Magnani, B., 101.
Magri, G. C., 143.
Magrini, A., 104.
Maini, C. L., 118, 144.
Maira, G., 71, 145.
Malfanti, P. L., 74.
Mancini, G., 135, 197.
Manente, B., 83.
Mango, L., 145.
Manna, R., 144.
Mansi, L., 147.
Mantero, F., 166.
Marchal, C., 285.
Marcucci, G., 147.
Margonato, A., 121, 122.
Margutti, A. R., 281.
Mariani, A., 165.
Mariani, G., 21, 72, 82, 97, 148, 150, 151, 152, 159, 237, 257.
Mariani, M., 68, 153.

Marini, C., 180.
Mariotti, R., 68, 153.
Marras, G., 138, 193.
Martignoni, R., 154.
Martini, G., 207.
Marzullo, P., 155, 163, 185.
Masala, A., 156.
Maseri, A., 121, 122.
Masi, R., 172, 210.
Masini, S., 231.
Masoni, A., 124.
Massarelli, G., 193.
Massari, D. L., 291.
Matacena, C., 110.
Materazzi, F., 21, 97.
Mathieu, A., 157.
Mazza, F., 68, 153.
Mazzarino, E., 86, 87.
Mazzilli, M. P., 177.
Mazzotta, F., 96.
Mazzuca, N., 148, 151, 159, 257.
McGarry, Y., 313.
Melandri, G., 101.
Melchiorri, G., 98.
Meldolesi, U., 75, 113, 115, 133, 134.
Mele, G., 156.
Mele, M., 94, 103.
Melis, F., 157.
Meloncelli, I., 144.
Meloni, T., 156.
Menard, S., 92.
Mencacci, S., 148, 150, 152.
Menconi, F., 165.
Mennuti, A., 147, 158.
Merlo, F., 88.
Merlo, M., 93.
Metra, M., 125.
Mey, M., 130.
Mian, E., 152.
Milanesi, L., 121, 122.
Milani, S., 161.
Milano, M., 219.
Milo, D., 96.
Minervini, R., 116.
Miniati, M., 159, 180.
Miotti, S., 92.
Miraglia, G., 137.
Molea, N., 72, 152.
Monaco, L., 147.
Monetti, N., 68, 101.
Montaldo, P. L., 178.
Montali, U., 67.
Monti, G. F., 161.
Monza, G. C., 225.

Morelli, A., 162.
Morfini, M., 206.
Morotti, A., 113, 133, 134.
Mosca, F., 257.
Moscarelli, E., 185.
Moscatelli, A., 195.
Mosso, F., 160.
Muneratti, C., 187.
Munno, R., 110.
Mussi, A., 193.
Mustacchi, G., 161.
Muto, P., 168, 191.

Nardelli, M., 89.
Narducci, F., 162.
Navalesi, R., 124.
Navassa, G., 225.
Neglia, D., 155, 163.
Neri, V., 225.
Nicoletti, F., 164.
Nicolini, A., 165.
Nodari, A., 99.

Oliviero, P., 102.
Opocher, G., 166.
Ottaviani, M., 17.

Pace, L., 65, 168.
Paci, A., 159.
Paci, P., 96.
Pagliaini, R., 71, 145.
Pala, R., 157.
Palagi, B., 175.
Palermo, F., 169.
Palla, A., 167.
Palla, L., 112, 113, 303.
Palla, R., 204.
Palombo, C., 112, 185, 303.
Palumbo, R., 105, 162, 164, 170, 171, 202.
Panicucci, F., 151.
Pansini, R., 281.
Papini, E., 104.
Pardini, S., 140.
Parmi, L., 92.
Parodi, O., 155, 163, 185.
Passerini, G., 182.
Patronas, N., 147.
Pau, F., 110.
Pauletti, M., 113.
Pecchioli, M. C., 129.
Pecorelli, F., 202.
Pelizzola, D., 177.
Pennesi, M., 79.
Perpignano, G., 178.
Pertusio, P., 173.
Pesciullesi, E., 172.
Petruzzelli, S., 167.
Piacentini, M., 211, 212.
Piazzini, D., 112.
Picardi, R., 104.
Picciotto, G., 173.
Picozzi, R., 175, 225.
Pieroni, C., 172.
Piersanti, E. G., 154.
Piffanelli, A., 177.
Piga, M., 141, 157, 178, 198.
Pigini, M. G., 144.
Pigorini, F., 110.
Pilo, A., 72, 179.
Pini, L., 140.
Piras, M. R., 198.
Piro, M. A., 179.
Pisani, M., 207.
Pisati, P., 66.
Pistolesi, M., 159, 180.
Pizzetti, P., 78.
Placidi, G. F., 43.
Plassio, G., 82.
Pompeo, D., 132, 191.
Pona, C., 53.
Ponzio, A., 147.
Possa, M., 143.
Poti, C., 184.
Pozza, G., 122.
Prandini, N., 107.
Puccini, G., 112.
Puccini, P., 113.
Pupi, A., 75, 115.

Rafanelli, D., 129, 206.
Randazzo, M., 188.
Rascente, G., 154.
Ravelli, V., 231.
Raynaud, C., 17.
Regi, M., 112, 203.
Renzetti, G. S., 195.
Ricci, O. E., 219.
Ricciardi, C., 158.
Ridolfi, P., 182.
Ringhini, R., 80.
Riva, A., 69.
Riva, P., 117, 183.
Rizzoni, G., 182.
Roano, A., 108.
Robert, J., 285.
Rodari, A., 80.
Rolla, G., 1.
Romano, A., 107.
Romelli, P. B., 291.
Ronga, G., 184.
Ronga, G. A., 184.
Rosa, U., 82, 148.
Rossi Ferrini, P. L., 129, 206.
Rossi, A., 130.
Rossi, G., 167.
Rossi, Z., 104.
Rosso, U., 93, 160.
Rotola, C., 281.
Rovai, D., 185.
Rovasio, P. P., 156.
Rufini, V., 203.
Russo, D., 68.
Russo, R., 108.

Sabbatani, S., 102.
Sabbatini, F., 96.
Saccani Jotti, G., 78.
Saitta, B., 83, 109, 186.
Saiu, M. A., 138.
Saladini, G., 187.
Sali, L., 225.
Salvadori, S., 281.
Salvatore, M., 65, 97, 102, 168, 191.
Salvatori, M., 98, 112, 118.
Sandri, P., 161.
Sanguineti, M., 188, 189.
Santaniello, B., 190.
Santeusanio, G., 86.
Santomauro, M., 168.
Santoro, A. C., 135.
Santoro, C., 197.
Sasso, F., 161.
Satta, L., 178.
Saviano, D., 97, 102, 191.
Savioli, M., 145.
Sbrana, A., 204.
Scaglianti, G., 177.
Scaglione, R., 136.
Scaiano, D., 80.
Scalvini, A., 76.
Scassa, R., 105.
Schenone, F., 190.
Schieppati, G., 225.
Schmoliner, R., 267.
Scognamiglio, R., 137.
Scolari, F., 199.
Scopinaro, F., 132, 191, 309.
Scopinaro, G., 189.
Scott, C., 141.
Scuncio, G., 192, 197.
Seccia, A., 99.
Seccia, M., 68.
Segalini, A. M., 76.
Senatore, C., 116, 193.

Seregni, E., 78, 80.
Serra, A. R., 198.
Serra, G., 138.
Sever, J. L., 147.
Sfrappini, M., 164.
Sisodia, R., 297.
Solfanelli, S., 116, 193.
Solinas, A., 193.
Somers, G., 57.
Sommavilla, A., 197.
Soricelli, A., 118, 144.
Spaccesi, E., 79.
Spinelli, F., 143.
Spreafico, G. L., 195, 196.
Spremberg, F., 192, 197.
Sterzi, S., 112.
Strani, E., 161.
Strazzulla, G., 215.
Stritoni, P., 137.
Sturla, M., 99.
Surrenti, C., 96.

Taddei, G., 180, 211, 212.
Taddei, I., 197.
Tagliabue, E., 92.
Taglieri, G., 198.
Tamarozzi, R., 108.
Tanda, F., 141.
Tarchi, R., 147, 158.
Tarolo, G. L., 175, 225.
Tartaglione, G., 98.
Tartagni, F., 101.
Tasca, A., 81.
Tatarelli, G., 145.
Terzi, A., 71, 125, 126, 199.
Thouvenot, P., 285.
Tiberio, M., 169.
Tocco, A., 193.
Todino, V., 184.
Todisco, T., 171.
Toffi, A., 150.
Tomatis, R., 281.
Tommasi, M., 201.
Toni, M. G., 72, 257.
Toraldo, P., 164, 171, 202.
Torrengo, S., 160.
Tortoli, V., 147.
Tortore, P., 85.
Tosi, S., 177.
Toti, A., 177.
Tramutoli, R., 104.
Trasforini, G., 281.
Troncone, L., 99, 203.
Trucchi, M., 190.
Tuoni, M., 152, 204.
Turba, E., 76, 102.
Turrin, A., 80, 205.
Uma Devi, P., 9, 215, 327.

Valeri, L., 104.
Vallauri, P., 160.
Vannucchi, A. M., 129, 206.
Varotto, L., 81, 137.
Vattimo, A., 207, 337.
Vicedomini, G., 122.
Villa, M., 80.
Villani, L., 99.
Villavecchia, G., 189.
Voegelin, M. R., 75, 115, 134, 197, 208.
Volpino, P., 87.

Waldmann, T. A., 237.
Weisner, P. S., 309.
Wiel-Marin, A., 99.

Zanco, P., 109.
Zannoli, R., 101.
Zardini, P., 1.
Zatelli, G., 128, 210.
Zatta, G., 175.
Zerillo, G., 87.
Zino, V., 188.
Zito, F., 130.
Zucchelli, G. C., 179, 231.